

IN THE CLAIMS

1. (previously presented) A fused disconnect switch comprising:

at least one switch housing assembly configured to receive a retractable fuse;

said switch housing assembly comprising a receptacle for insertion of said retractable fuse and first and second terminal contact assemblies extending from said receptacle, wherein at least one of said first and second terminal contact assemblies-comprises a bullet contact assembly; and

a retractable fuse comprising a fuse housing and a primary fuse link contained within said fuse housing, and first and second fuse terminals extending from said housing, said primary fuse link extending interior to said fuse housing between said first and second fuse terminals, and an open circuit indication device within said fuse housing and coupled to said first and second fuse terminals;

wherein at least a portion of said retractable fuse housing is exposed when said retractable fuse is inserted into said receptacle and said first and second fuse terminals are respectively coupled electrically to said first and second terminal contact assemblies, said retractable fuse being removably engageable with said switch housing assembly via said exposed portion.

2. (original) A fused disconnect switch in accordance with Claim 1 wherein both of said first and second terminal contact assemblies comprise a bullet contact assembly.

3. (previously presented) A fused disconnect switch in accordance with Claim 1, at least one of said first and second terminal contact assemblies comprising a terminal stud contact assembly.

4. (original) A fused disconnect switch in accordance with Claim 1 wherein said primary fuse link is rated at about 130 amps to 250 amps.

5. (original) A fused disconnect switch in accordance with Claim 1, said open circuit indication device comprising a high resistance electronic circuit.

6. (previously presented) A fused disconnect switch in accordance with Claim 1 further comprising a second primary fuse link extending interior to said fuse housing, said first and second fuse links connected in parallel.

7. (currently amended) A fused disconnect switch comprising:

at least one switch housing assembly comprising a switch housing defining a receptacle for receiving a retractable fuse, and first and second terminal contact assemblies extending from said receptacle, wherein at least one of said first and second contact assemblies comprises a terminal stud contact assembly; and

a retractable fuse comprising a fuse housing containing a primary fuse link, and first and second fuse terminals extending from said fuse housing, said primary fuse link mechanically and electrically connected to said first and second fuse terminals, and an open circuit indication device within said fuse housing and ~~coupled~~ mechanically and electrically connected to said first and second fuse terminals;

wherein at least a portion of said retractable fuse housing is exposed from an exterior of said switch housing assembly when said retractable fuse is electrically coupled to said switch housing assembly, said retractable fuse being removably engageable with said switch housing assembly via said exposed portion.

8. (original) A fused disconnect switch in accordance with Claim 7, said first and second terminal contact assemblies comprising a terminal stud contact assembly.

9. (previously presented) A fused disconnect switch in accordance with Claim 7, the other of said first and second contact assemblies comprising a bullet contact assembly.

10. (original) A fused disconnect switch in accordance with Claim 7 wherein said primary fuse link is rated at about 130 amps to 250 amps.

11. (previously presented) A fused disconnect switch in accordance with Claim 10, said fuse comprising an alarm terminal, said switch housing assembly comprising an alarm terminal, said fuse alarm terminal in communication with said switch housing alarm terminal when said fuse is received in said receptacle.

12. (previously presented) A fused disconnect switch in accordance with Claim 7 further comprising a second primary fuse link-extending interior to said fuse housing, said first and second fuse links connected in parallel.

13. (previously presented) A fused disconnect switch comprising:

at least one switch housing assembly comprising a housing defining a receptacle for receiving a retractable fuse, and first and second terminal contact assemblies extending from said receptacle, wherein one of said first and second contact assemblies comprises a bullet contact assembly and one of said first and second contact assemblies comprises a terminal stud contact assembly; and

a retractable fuse removably engagable to said fuse receptacle, said retractable fuse comprising a fuse housing, first and second fuse terminals extending from said fuse housing, and a primary fuse link and an open fuse indication device each extending interior to said fuse housing and coupled to said first and second terminals;

wherein at least a portion of said fuse housing is exposed to an exterior of said fuse receptacle when said retractable fuse is connected to said switch housing assembly.

14. (original) A fused disconnect switch in accordance with Claim 13 wherein said primary fuse link is rated at about 130 amps to 250 amps.

15. (original) A fused disconnect switch in accordance with Claim 14, said fuse comprising an alarm terminal, said switch housing assembly comprising an alarm terminal, said fuse alarm terminal in communication with said switch housing alarm terminal when said fuse is received in said fuse receptacle.

16. (previously presented) A fused disconnect switch in accordance with Claim 13 further comprising a second primary fuse link received in said fuse receptacle, said first and second fuses connected in parallel in said fuse housing.

17. (original) A fused disconnect switch in accordance with Claim 13 wherein said open circuit indication device comprises an electronic circuit.

18. (currently amended) A fused disconnect switch comprising

a switch housing comprising a receptacle for removable engagement with a fuse, first and second line-side contact assemblies extending from said fuse receptacle, and first and second load-side contact assemblies extending from said fuse receptacle;

wherein said fuse comprises a fuse housing, a first primary fuse link extending interior to and enclosed by said fuse housing between said first line-side contact assembly and said first load-side contact assembly and a second primary fuse link extending interior to and enclosed by said fuse housing between said second line-side contact assembly and said second load-side contact assembly.

19. (original) A fused disconnect switch in accordance with Claim 18, said first and second line side contact assembly comprising a bullet contact assembly.

20. (original) A fused disconnect switch in accordance with Claim 19, said first and second load-side contact assembly comprising a bullet contact assembly.

21. (original) A fused disconnect switch in accordance with Claim 18, said first and second load-side contact assembly comprising a terminal stud contact assembly.

22. (original) A fused disconnect switch in accordance with Claim 20 further comprising a common bus coupled to first and second load-side contact assembly.

23. (original) A fused disconnect switch in accordance with Claim 18, said fuse further comprising an electronic monitoring circuit.